Kangaroo-Style Math Practice, Grades 3-4, Set 1

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. What number comes next? 4, 8, 16, 32, ?

3 pts

(A) 36 (B) 61 (C) 64 (D) 66 (E) 69

---

2. Aria buys 5 books that cost $9 each and pays with a $50 bill. How much change does Aria get?

3 pts

(A) $0 (B) $5 (C) $15 (D) $41 (E) $45

---

3. I think of a number. I add 4, then multiply the result by 4, and get 60. What was my number?

4 pts

(A) 10 (B) 11 (C) 12 (D) 15 (E) 44

---

4. Using each of the digits 7, 0 and 8 exactly once, what is the biggest 3-digit number you can make?

4 pts

(A) 708 (B) 780 (C) 807 (D) 870 (E) 880

---

5. At a party, 6 friends meet. Each friend shakes hands once with every other friend. How many handshakes are there?

5 pts

(A) 12 (B) 15 (C) 16 (D) 21 (E) 30

---

6. A straight fence is 35 m long. There is a post every 5 m, including one at each end. How many posts are there?

5 pts

(A) 6 (B) 7 (C) 8 (D) 9 (E) 10

Kangaroo-Style Math Practice, Grades 3-4, Set 1

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(C) 64**

Each number is double the one before: 32 x 2 = 64.

2. **(B) $5**

The books cost 5 x $9 = $45, so the change is $50 - $45 = $5.

3. **(B) 11**

Work backwards: 60 / 4 = 15, then 15 - 4 = 11.

4. **(D) 870**

Put the biggest digit first, then 7, and 0 last: 870.

5. **(B) 15**

Each of the 6 friends shakes 5 hands, which counts every handshake twice: 6 x 5 / 2 = 15.

6. **(C) 8**

35 / 5 = 7 gaps, and there is always one more post than gaps: 8.

Kangaroo-Style Math Practice, Grades 3-4, Set 2

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. 3 pts Using each of the digits 6, 0 and 8 exactly once, what is the biggest 3-digit number you can make?

(A) 608 (B) 680 (C) 770 (D) 806 (E) 860

---

2. 3 pts Today Theo is 6 and Theo's sister is 9. In 5 years, how old will they be together?

(A) 15 (B) 20 (C) 25 (D) 26 (E) 28

---

3. 4 pts 24 children go on a trip. Each van can take 5 children. What is the smallest number of vans they need?

(A) 3 (B) 4 (C) 5 (D) 6 (E) 7

---

4. 4 pts A farm has only chickens and cows. Together they have 13 heads and 44 legs. How many cows are there?

(A) 4 (B) 8 (C) 9 (D) 10 (E) 11

---

5. 5 pts In a chess club, 6 players each play exactly one game against every other player. How many games are played?

(A) 14 (B) 15 (C) 16 (D) 21 (E) 30

---

6. 5 pts A straight fence is 36 m long. There is a post every 4 m, including one at each end. How many posts are there?

(A) 8 (B) 9 (C) 10 (D) 11 (E) 12

Kangaroo-Style Math Practice, Grades 3-4, Set 2

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(E) 860**

Put the biggest digit first, then 6, and 0 last: 860.

2. **(C) 25**

Now they are 6 + 9 = 15 together. Each one gets 5 years older, so add 10: 25.

3. **(C) 5**

24 / 5 = 4 with 4 left over, and those children need one more van: 5.

4. **(C) 9**

If all 13 animals were chickens there would be 26 legs. The extra 18 legs come from cows, 2 extra legs each, so there are 9 cows.

5. **(B) 15**

Each player plays 5 games, and every game has two players: 6 x 5 / 2 = 15 games.

6. **(C) 10**

36 / 4 = 9 gaps, and there is always one more post than gaps: 10.

Kangaroo-Style Math Practice, Grades 3-4, Set 3

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. What number comes next? 15, 19, 23, 27, ?

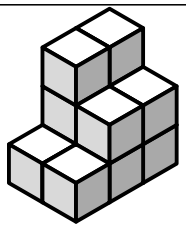
3 pts

(A) 26 (B) 28 (C) 31 (D) 33 (E) 36

---

2. How many cubes were used to build this tower? (No cubes are hidden at the back.)

3 pts

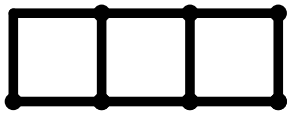


(A) 6 (B) 10 (C) 12 (D) 13 (E) 14

---

3. A row of 3 squares needs 10 matchsticks, as shown. How many matchsticks are needed for a row of 8 squares?

4 pts

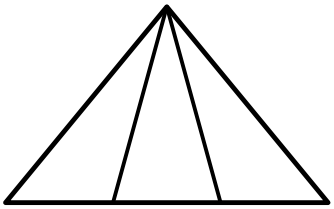


(A) 24 (B) 25 (C) 26 (D) 30 (E) 32

---

4. How many triangles are there in this picture?

4 pts

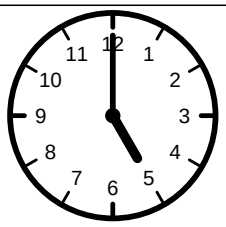


(A) 3 (B) 4 (C) 5 (D) 6 (E) 8

---

5. A movie starts at the time shown on the clock and lasts 1 hour 30 minutes. At what time does it end?

5 pts



(A) 5:30 (B) 6:15 (C) 6:45 (D) 7:30 (E) 6:30

---

6. Today Ruby is 6 and Ruby's sister is 11. In 4 years, how old will they be together?

5 pts

(A) 17 (B) 21 (C) 25 (D) 26 (E) 30

Kangaroo-Style Math Practice, Grades 3-4, Set 3

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(C) 31**

The numbers go up by 4 each time: 27 + 4 = 31.

2. **(C) 12**

Count each column from the top: the heights add up to 12 cubes.

3. **(B) 25**

The first square needs 4 sticks and each new square adds 3 more: 4 + 3 x 7 = 25.

4. **(D) 6**

Every pair of lines from the top corner makes a triangle with the bottom line: that is 6 triangles.

5. **(E) 6:30**

Start at 5:00, add 1 hour and then 30 minutes to reach 6:30.

6. **(C) 25**

Now they are 6 + 11 = 17 together. Each one gets 4 years older, so add 8: 25.

Kangaroo-Style Math Practice, Grades 3-4, Set 4

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. 3 pts Priya buys 5 books that cost $7 each and pays with a $50 bill. How much change does Priya get?

(A) $10 (B) $15 (C) $25 (D) $35 (E) $43

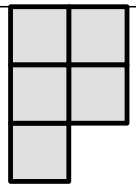
---

2. 3 pts I think of a number. I add 3, then multiply the result by 2, and get 30. What was my number?

(A) 11 (B) 12 (C) 13 (D) 15 (E) 24

---

3. 4 pts The shape is made of squares with sides of 1 cm. What is its perimeter?



side = 1 cm

(A) 5 cm (B) 8 cm (C) 10 cm (D) 12 cm (E) 20 cm

---

4. 4 pts Using each of the digits 1, 0 and 8 exactly once, what is the biggest 3-digit number you can make?

(A) 108 (B) 180 (C) 720 (D) 801 (E) 810

---

5. 5 pts At a party, 4 friends meet. Each friend shakes hands once with every other friend. How many handshakes are there?

(A) 6 (B) 7 (C) 8 (D) 10 (E) 12

---

6. 5 pts A straight fence is 8 m long. There is a post every 2 m, including one at each end. How many posts are there?

(A) 3 (B) 4 (C) 5 (D) 6 (E) 7

Kangaroo-Style Math Practice, Grades 3-4, Set 4

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(B) $15**

The books cost 5 x $7 = $35, so the change is $50 - $35 = $15.

2. **(B) 12**

Work backwards: 30 / 2 = 15, then 15 - 3 = 12.

3. **(C) 10 cm**

Walk around the outside: there are 10 square sides on the edge, each 1 cm long, so 10 x 1 = 10 cm.

4. **(E) 810**

Put the biggest digit first, then 1, and 0 last: 810.

5. **(A) 6**

Each of the 4 friends shakes 3 hands, which counts every handshake twice: 4 x 3 / 2 = 6.

6. **(C) 5**

8 / 2 = 4 gaps, and there is always one more post than gaps: 5.

Kangaroo-Style Math Practice, Grades 3-4, Set 5

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. What number comes next? 22, 28, 34, 40, ?
3 pts

(A) 43 (B) 44 (C) 46 (D) 48 (E) 50

---

2. Using each of the digits 7, 0 and 3 exactly once, what is the smallest 3-digit number you can make?
3 pts

(A) 307 (B) 316 (C) 370 (D) 703 (E) 730

---

3. 45 children go on a trip. Each van can take 6 children. What is the smallest number of vans they need?
4 pts

(A) 6 (B) 7 (C) 8 (D) 9 (E) 10

---

4. Today is Friday. What day of the week will it be in 30 days?
4 pts

(A) Wednesday (B) Saturday (C) Monday (D) Sunday (E) Tuesday

---

5. A straight fence is 24 m long. There is a post every 3 m, including one at each end. How many posts are there?
5 pts

(A) 7 (B) 8 (C) 9 (D) 10 (E) 11

---

6. A farm has only chickens and cows. Together they have 8 heads and 20 legs. How many cows are there?
5 pts

(A) 1 (B) 2 (C) 3 (D) 5 (E) 6

Kangaroo-Style Math Practice, Grades 3-4, Set 5

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(C) 46**

The numbers go up by 6 each time: 40 + 6 = 46.

2. **(A) 307**

A 3-digit number cannot start with 0, so start with 3, then 0, then 7: 307.

3. **(C) 8**

45 / 6 = 7 with 3 left over, and those children need one more van: 8.

4. **(D) Sunday**

Every 7 days it is Friday again. 30 = 4 x 7 + 2, so count 2 days on from Friday: Sunday.

5. **(C) 9**

24 / 3 = 8 gaps, and there is always one more post than gaps: 9.

6. **(B) 2**

If all 8 animals were chickens there would be 16 legs. The extra 4 legs come from cows, 2 extra legs each, so there are 2 cows.

Kangaroo-Style Math Practice, Grades 3-4, Set 6

Name: _____ Date: _____

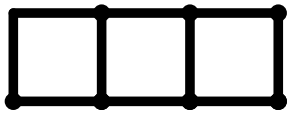
Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. What number comes next? 25, 29, 33, 37, ?
3 pts

(A) 38 (B) 39 (C) 41 (D) 43 (E) 45

---

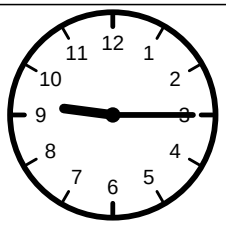
2. A row of 3 squares needs 10 matchsticks, as shown. How many matchsticks are needed for a row of 8 squares?
3 pts



(A) 24 (B) 25 (C) 26 (D) 30 (E) 32

---

3. A movie starts at the time shown on the clock and lasts 1 hour 30 minutes. At what time does it end?
4 pts



(A) 10:30 (B) 11:45 (C) 10:45 (D) 10:00 (E) 9:45

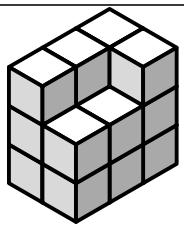
---

4. Today Noah is 9 and Noah's sister is 12. In 5 years, how old will they be together?
4 pts

(A) 21 (B) 26 (C) 31 (D) 32 (E) 34

---

5. How many cubes were used to build this tower? (No cubes are hidden at the back.)
5 pts



(A) 6 (B) 14 (C) 16 (D) 17 (E) 18

---

6. In a chess club, 5 players each play exactly one game against every other player. How many games are played?
5 pts

(A) 9 (B) 10 (C) 11 (D) 15 (E) 20

Kangaroo-Style Math Practice, Grades 3-4, Set 6

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(C) 41**

The numbers go up by 4 each time: 37 + 4 = 41.

2. **(B) 25**

The first square needs 4 sticks and each new square adds 3 more: 4 + 3 x 7 = 25.

3. **(C) 10:45**

Start at 9:15, add 1 hour and then 30 minutes to reach 10:45.

4. **(C) 31**

Now they are 9 + 12 = 21 together. Each one gets 5 years older, so add 10: 31.

5. **(C) 16**

Count each column from the top: the heights add up to 16 cubes.

6. **(B) 10**

Each player plays 4 games, and every game has two players: 5 x 4 / 2 = 10 games.

Kangaroo-Style Math Practice, Grades 3-4, Set 7

Name: _____ Date: _____

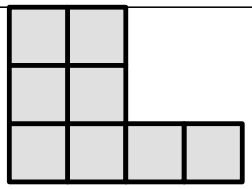
Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. 3 pts Sofia buys 5 books that cost $7 each and pays with a $50 bill. How much change does Sofia get?

(A) $10 (B) $15 (C) $25 (D) $35 (E) $43

---

2. 3 pts The shape is made of squares with sides of 1 cm. What is its perimeter?



side = 1 cm

(A) 8 cm (B) 12 cm (C) 14 cm (D) 16 cm (E) 32 cm

---

3. 4 pts I think of a number. I add 8, then multiply the result by 2, and get 40. What was my number?

(A) 11 (B) 12 (C) 13 (D) 20 (E) 24

---

4. 4 pts Using each of the digits 7, 0 and 5 exactly once, what is the smallest 3-digit number you can make?

(A) 507 (B) 516 (C) 570 (D) 705 (E) 750

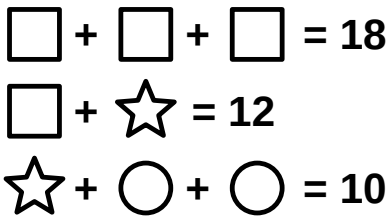
---

5. 5 pts A straight fence is 25 m long. There is a post every 5 m, including one at each end. How many posts are there?

(A) 4 (B) 5 (C) 6 (D) 7 (E) 8

---

6. 5 pts Same shapes stand for the same number. What number is the circle?



(A) 1 (B) 2 (C) 3 (D) 4 (E) 6

Kangaroo-Style Math Practice, Grades 3-4, Set 7

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(B) $15**

The books cost 5 x $7 = $35, so the change is $50 - $35 = $15.

2. **(C) 14 cm**

Walk around the outside: there are 14 square sides on the edge, each 1 cm long, so 14 x 1 = 14 cm.

3. **(B) 12**

Work backwards: 40 / 2 = 20, then 20 - 8 = 12.

4. **(A) 507**

A 3-digit number cannot start with 0, so start with 5, then 0, then 7: 507.

5. **(C) 6**

25 / 5 = 5 gaps, and there is always one more post than gaps: 6.

6. **(B) 2**

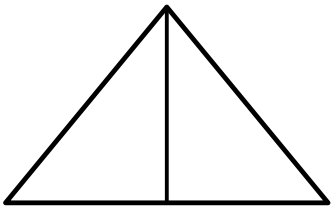
Square = 18 / 3 = 6. Then star = 12 - 6 = 6. Two circles = 10 - 6 = 4, so the circle is 2.

Kangaroo-Style Math Practice, Grades 3-4, Set 8

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. How many triangles are there in this picture?
3 pts



(A) 1 (B) 2 (C) 3 (D) 4 (E) 5

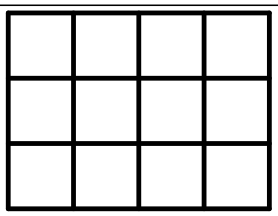
---

2. 34 children go on a trip. Each van can take 5 children. What is the smallest number of vans they need?
3 pts

(A) 5 (B) 6 (C) 7 (D) 8 (E) 9

---

3. How many squares of any size can you find in this picture?
4 pts



(A) 12 (B) 18 (C) 19 (D) 20 (E) 22

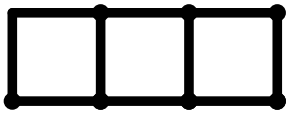
---

4. Today is Saturday. What day of the week will it be in 12 days?
4 pts

(A) Wednesday (B) Saturday (C) Thursday (D) Sunday (E) Friday

---

5. A row of 3 squares needs 10 matchsticks, as shown. How many matchsticks are needed for a row of 7 squares?
5 pts



(A) 21 (B) 22 (C) 23 (D) 24 (E) 28

---

6. A farm has only chickens and cows. Together they have 14 heads and 48 legs. How many cows are there?
5 pts

(A) 4 (B) 9 (C) 10 (D) 11 (E) 12

Kangaroo-Style Math Practice, Grades 3-4, Set 8

Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(C) 3**

Every pair of lines from the top corner makes a triangle with the bottom line: that is 3 triangles.

2. **(C) 7**

34 / 5 = 6 with 4 left over, and those children need one more van: 7.

3. **(D) 20**

There are 12 small squares, and the bigger squares made of several small ones add up to 20 in all.

4. **(C) Thursday**

Every 7 days it is Saturday again. 12 = 1 x 7 + 5, so count 5 days on from Saturday: Thursday.

5. **(B) 22**

The first square needs 4 sticks and each new square adds 3 more: 4 + 3 x 6 = 22.

6. **(C) 10**

If all 14 animals were chickens there would be 28 legs. The extra 20 legs come from cows, 2 extra legs each, so there are 10 cows.