GiftedReady

EQAO Grade 3 Math PDF Sample Test

Downloadable Practice Test with Answers – Get a Feel for the Exam & Increase Your Chances of Scoring High

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* The correct answers and explanations are located at the end of this PDF.

Practice Questions

Number

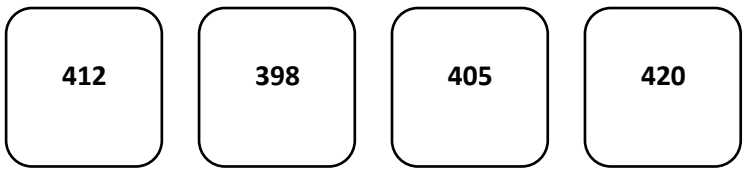
Question #1

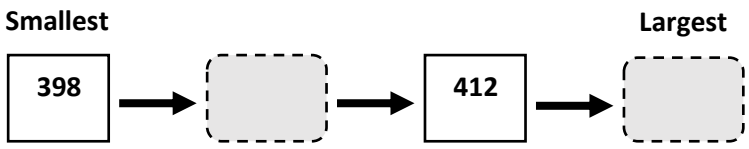
How is this two-digit number written in words?

A. two-seven
B. seven-two
C. seventy-two
D. twenty-seven

Question #2

Place two numbers in the correct boxes so they are in order from smallest to largest:





A. two-seven
B. seven-two
C. seventy-two
D. twenty-seven

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Question #3

Find the sum:

76 + 27

A. 93
B. 103
C. 112
D. 122

Question #4

There are 24 pencils. They are shared equally among 6 students.

How many pencils does each student get?

A. 6 pencils
B. 5 pencils
C. 4 pencils
D. 3 pencils

Question #5

Maya has 3 boxes with 9 crayons in each.
Ali has 4 boxes with 5 crayons in each.
How many more crayons does Maya have?

A. 7
B. 9
C. 11
D. 27

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Algebra

Question #6

How many stars will be in the 5th position of this pattern?

A. 5 stars
B. 6 stars
C. 8 stars
D. 9 stars

Question #7

Find the rule of the pattern:

$8, __, __, 29, __, __, 50$

A. +5
B. +15
C. +14
D. +7

Question #8

Which shows 4×5?

A. 5 + 5 + 5
B. 4 + 4 + 4 + 4
C. 5 + 5 + 5 + 5
D. 4 + 5

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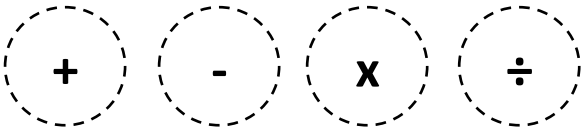
Question #9

Place the correct operation:



$16 \bigcirc 4 = 4 \times 1$

$7 + 3 = 5 \bigcirc 2$

$5 \times 5 = 20 \bigcirc 5$

Question #10

Which code correctly repeats “add 4 to number” seven times?

A. repeat 4 times
add 7 to number

B. repeat 7 times
add 4 to number

C. forever
add 4 to number

D. repeat 7 times
add 7 to number

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DATA

Question #11

This table shows how many birds were seen in a park.

Name of bird	Number of birds
Blue Jay	12
Robin	18
Sparrow	15
Crow	9

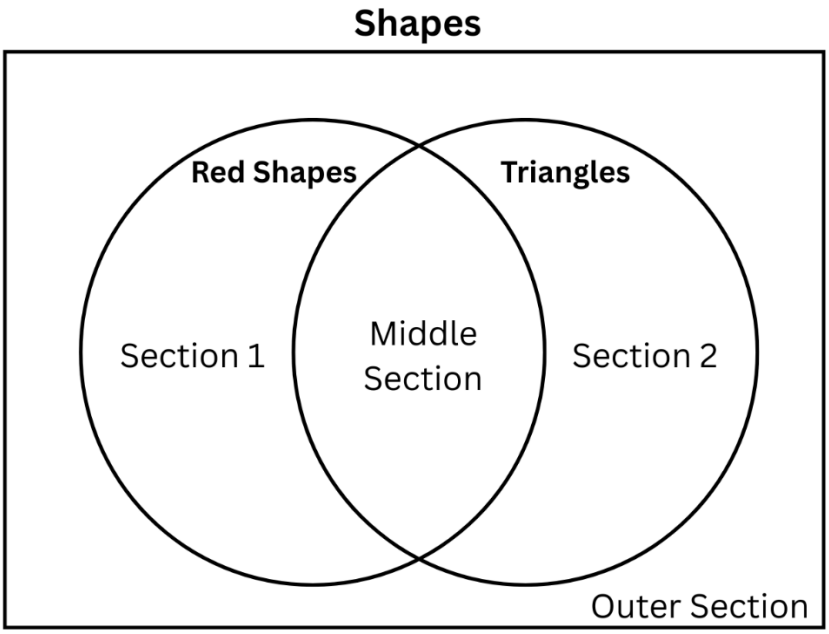
Which statement is true?

A. The Crow was seen the most.
B: More Robins were seen than Blue Jays.
C: Fewer Sparrows were seen than Crows.
D: Land plants and sea creatures have always lived together in this area.

Question #12

A student sorts shapes into a Venn Diagram. Section 1 is "Red Shapes" and Section 2 is "Triangles."

Which shape belongs in the middle section (where the sections overlap)?



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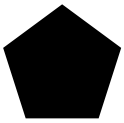
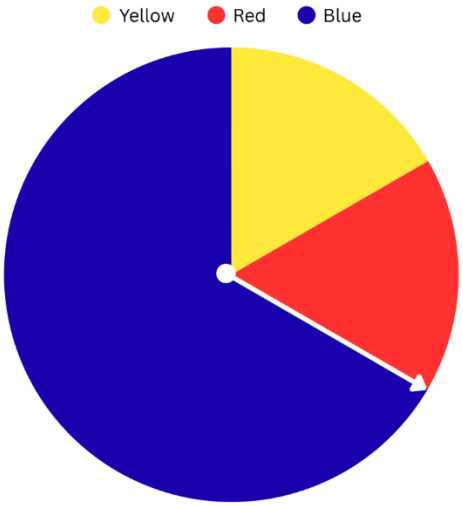
A.	
B.	
C.	
D.	

Question #13

Sara gives the spinner one spin.



Match the correct likelihood for each colour.

likely | unlikely | impossible | certain

Green	
Red	
Blue	

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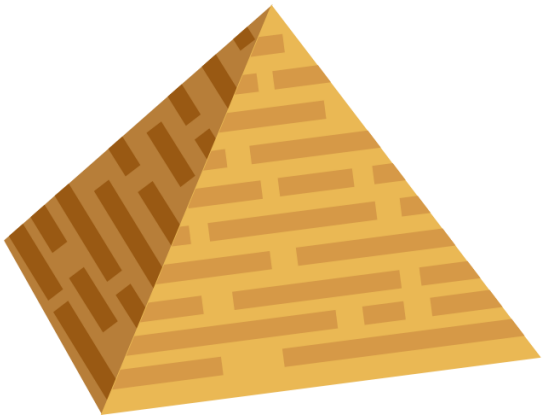
SPATIAL SENSE

Question #14

Look at the dice and the monument. Which pair of shapes matches them?



A. cube and pyramid
B: cone and sphere
C: prism and cone
D: cuboid and cylinder

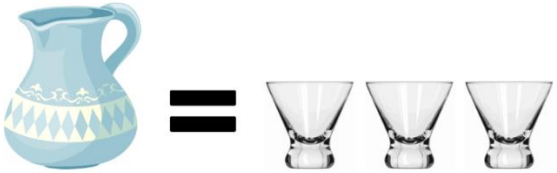
Question #15

A shape has 6 flat faces, and all the faces are squares. What is this object?

A. A cylinder
B: A cube
C: A pyramid
D: A cone

Question #16

If 1 jug of water can fill 3 small glasses, how many glasses are needed to empty 4 jugs?



A. 3 glasses
B: 7 glasses
C: 12 glasses
D: 15 glasses

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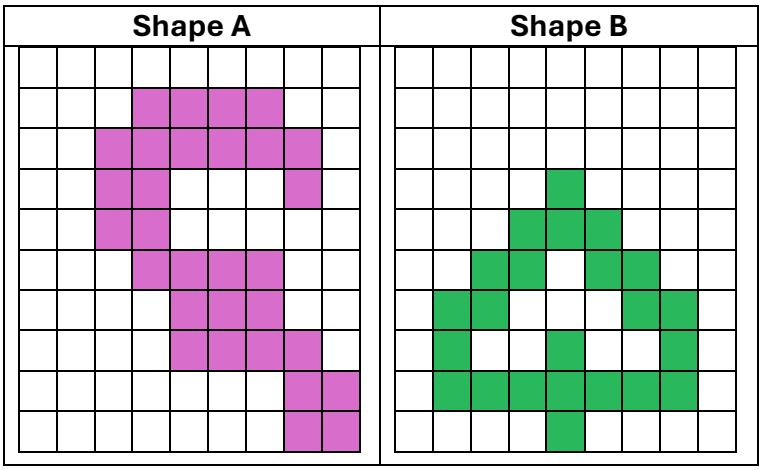
Question #17

Look at the shapes. Each tile is 1 square cm.

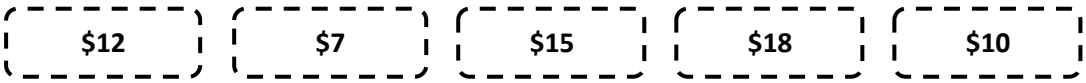
How much larger is the area of Shape A?



A. 4 square cm
B: 5 square cm
C: 7 square cm
D: 10 square cm

Question #18

Match each case with the correct change.



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Buy a toy for **$3**. Pay with a **$10** bill. Change:	Buy a book for **$40**. Pay with a **$50** bill. Change:	Buy a snack for **$2**. Pay with a **$20** bill. Change:

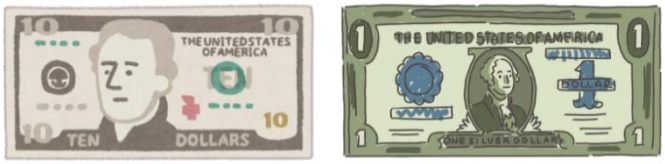
Question #19

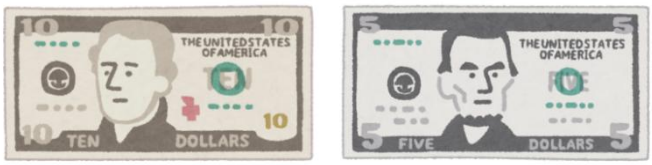
A student buys a notebook for $3 and a pack of pencils for $5.

They pay with a $20 bill.

How much change should they get back?

A.

B. 

C. 

D.

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Correct Answers & Explanations

Question #1

Correct answer: D

Explanation:

The correct answer is **D. twenty-seven**.

27 means 2 tens and 7 ones.

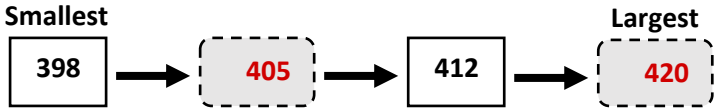
So, the "2" in 27 isn't just a two, it's actually worth twenty.

Thus, the answer is **twenty-seven**.

Question #2

Explanation:

The correct answer is:



To put numbers in order from smallest to largest, we look at the hundreds place first. Since 398 starts with a 3, it is smaller than the others that start with a 4.

For the rest, we look at the tens: 0 comes before 1, and 1 comes before 2.

Thus, the order is:

$$398, 405, 412, 420$$

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Question #3

Correct answer: B

Explanation:

First, add the ones:

$$6 + 7 = 13$$

We keep the 3 and move the 10 over to the tens place (regrouping).

Then, add the tens:

$$1 + 7 + 2 = 10$$

$$\begin{array}{r} \overset{1}{} \\ 76 \\ +\ 27 \\ \hline 103 \\ \hline\hline \end{array}$$

When we put them together, we get **103**.

Question #4

Correct answer: C. 4 pencils

Explanation:

The correct answer is **C. 4 pencils**.

Sharing "equally" means division.

Since we have 24 pencils and 6 students, we are splitting 24 into 6 equal groups.

$$24 \div 6 = 4$$

Therefore, each student gets **4 pencils**.

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Question #5

Correct answer: A. 7

Explanation:

First, find out how many each person has.

Maya has $3 \times 9 = 27$ crayons.

Ali has $4 \times 5 = 20$ crayons.

To find out "how many more," we subtract:

$$27 - 20 = 7$$

Maya has **7 more** crayons.

Question #6

Correct Answer: D. 9 stars.

Explanation:

Look at how the shape grows at each step.

- Position 1 has 1 star.
- Position 2 adds two stars to make 3.
- Position 3 adds two more to make 5.
- Position 4 adds two more to make 7.

$$7 + 2 = 9$$

Following the "add 2" rule, Position 5 will have **9 stars**.

Question #7

Correct answer: D. +7.

Explanation:

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Think of this like a game where we are jumping across stepping stones.

We start at 8 and want to get to 29, but we have to make 3 jumps to get there.

1. Find the total distance: First, see how far it is from 8 to 29.

$$29 - 8 = 21$$

2. Split the distance: Since there are 3 jumps to get from 8 to 29, we need to split 21 into 3 equal parts.

$$21 \div 3 = 7$$

Let us test the rule:

Let's try adding 7 every time to see if it works for the whole pattern:

- $8 + 7 = 15$
- $15 + 7 = 22$
- $22 + 7 = 29$ (This matches.)
- $29 + 7 = 36$
- $36 + 7 = 43$
- $43 + 7 = 50$ (This matches too.)

Therefore, the rule of the pattern is **+7**.

Question #8

Correct answer: C. $5 + 5 + 5 + 5$.

Explanation:

Multiplication is just "repeated addition".

4×5 means we have four groups of five.

If we write that out, it is:

$$\mathbf{5 + 5 + 5 + 5}$$

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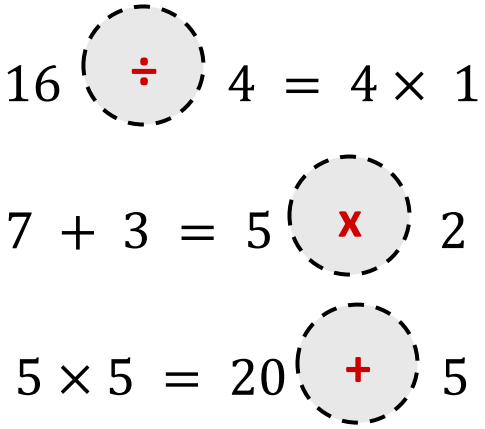
Question #9

The correct answer is:



We need to make both sides of the equal sign (=) the same.

- $16 \div 4 = 4 \times 1$ (Both sides equal 4).
- $7 + 3 = 5 \times 2$ (Both sides equal 10).
- $5 \times 5 = 20 + 5$ (Both sides equal 25).

Question #10

Correct Answer: B. repeat 7 times, add 4 to number.

Explanation:

In coding, a "repeat" tells the computer how many times to do an action.

To do something seven times, we need a "repeat 7" block.

To add 4 each time, the code is: **repeat 7 times, add 4 to number**.

Question #11

Correct Answer: B. More Robins were seen than Blue Jays.

Explanation:

Use the table to check each fact.

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We need to find which statement is true.

Let's check each one:

A. The Crow was seen the most.

- Crow = 9

- Robin = 18, Sparrow = 15, Blue Jay = 12
  Wrong, Crow was seen the least, not the most.

B. More Robins were seen than Blue Jays.

- Robin = 18, Blue Jay = 12
  Correct, 18 is more than 12.

C. Fewer Sparrows were seen than Crows.

- Sparrow = 15, Crow = 9
  Wrong, 15 is more than 9, not fewer.

D. The Blue Jay was seen the least.

- Blue Jay = 12, Crow = 9
  Wrong, Crow was seen the least, not Blue Jay.

Therefore, the true statement is "**More Robins were seen than Blue Jays**".

Question #12

Correct Answer: C.

Explanation

In a Venn Diagram, the middle section (the overlap) is a special spot. It is for shapes that fit into both groups at the exact same time.

To belong in the middle, a shape must follow two rules:

1. It must be Red.

2. It must be a Triangle (a shape with 3 sides).

- If the shape is red but it's a rectangle, it stays in Section 1.

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- If the shape is a black triangle, it stays in Section 2.
- If the shape is a black pentagon, it stays in the outer section.

A Red Triangle is the only shape that can sit in the middle because it matches both rules.

Question #13

Explanation:

The correct answer is:

Green	impossible
Red	unlikely
Blue	likely

Probability is about how likely something is to happen.

To solve this, we look at how much space each colour takes up on the circle. The bigger the slice, the better the chance the spinner will land there.

- **Green:** If we look at the spinner, there is no green anywhere. Because there is no green to land on, it can never happen.
  - Matching word: **impossible**
- **Red:** The red slice is a small part of the circle (less than half). It could happen, but it is not the most common colour.
  - Matching word: **unlikely**
- **Blue:** The blue section is huge. It takes up more than half of the whole circle, so there is a very good chance the spinner will stop there.
  - Matching word: **likely**

We don't use the word certain here because that would only be true if the entire circle was just one colour.

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Question #14

Correct Answer: A. cube and pyramid.

Explanation

A die is a 3D shape where every side is a square, which is called a cube.

The monument is a building with a flat bottom and sides that meet at a point, called a pyramid.

Together they are **a cube and a pyramid**.

Question #15

Correct Answer: B. a cube.

Explanation

Imagine a wooden block where the front, back, top, bottom, and both sides are all the exact same square.

That is a cube.

Question #16

Correct Answer: C. 12 glasses.

Explanation

If 1 jug = 3 glasses, then to empty 4 jugs, we need 3 glasses for the first jug, 3 for the second, 3 for the third, and 3 for the fourth.

$$3 + 3 + 3 + 3 = 3 \times 4 = 12$$

Therefore, the required number of glasses is 12.

Question #17

Correct Answer: C. 7 square cm.

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Explanation

Area is how much space a flat shape covers.

We can find this by counting the square tiles.

Shape A covers 30 squares and Shape B covers 23 squares.

We can subtract to find the difference:

$$30 - 23 = 7$$

Shape A is 7 square cm larger.

Question #18

Explanation

The correct answer is:

Buy a toy for $3. **Pay with a $10 bill.** **Change:**	**Buy a book for $40.** **Pay with a $50 bill.** **Change:**	**Buy a snack for $2.** **Pay with a $20 bill.** **Change:**
$7	**$10**	**$18**

Change is the money we get back when we pay with a bill that is worth more than the item.

- $10 bill - $3 toy = $7 change.
- $50 bill - $40 book = $10 change.
- $20 bill - $2 snack = $18 change.

Question #19

Correct Answer: A

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Explanation

To solve this money problem, we need to do two steps: figure out the total cost and then find out the change left over.

First, we add up the items the student bought.

- Notebook: $3
- Pencils: $5

$$3 + 5 = 8$$

The total cost is $8.

The student paid with a $20 bill.

To find the change, we subtract the cost from the amount they paid.

$$20 - 8 = 12$$

The student should get back $12 in change.

Picking the right bills, we have:

- A. One $10 bill and one $2 bill. $(10 + 2 = 12)$
- B. One $10 bill and one $1 bill. $(10 + 1 = 11)$
- C. One $10 bill and one $5 bill. $(10 + 5 = 15)$
- D. One $5 bill and one $2 bill. $(5 + 2 = 7)$

Therefore, the correct choice is A.

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