OIC Maths 4 - Mock Test 2

Name

Class name

Date

Marks
/30

Instruction: You have 40 minutes to complete this test. The mark is shown under each question.

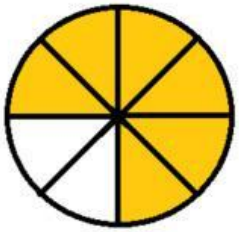
For questions 1 – 10, you choose the correct answer.

For questions 11 – 20, write your answer in the box given.

1. Which fraction is read as three-sixths?

A $\frac{6}{3}$ **B** $\frac{3}{6}$ **C** $\frac{3}{8}$ **D** $\frac{3}{9}$

2. Which fraction is represented the coloured parts?



A six-eighths

B two of eights

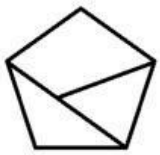
C five-eighths

D six-eighth

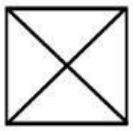
3. Which shape is divided into equal parts?

A

B



C



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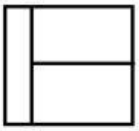


4. Which of the following fractions is equivalent to $\frac{3}{5}$?

A $\frac{6}{12}$ **B** $\frac{6}{10}$ **C** $\frac{9}{12}$ **D** $\frac{12}{15}$

5. Which calculation is correct?

A $158 \times 1 = 158$

B $158 \times 0 = 158$

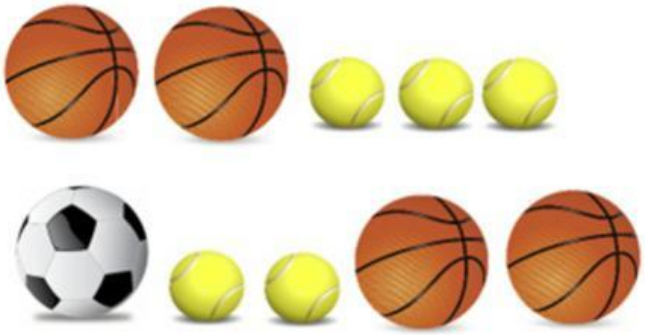
C $0 \times 158 = 1$

D $158 \times 1 = 185$

6. Which fraction is NOT in its simplest form?

A $\frac{2}{5}$ **B** $\frac{6}{13}$ **C** $\frac{9}{12}$ **D** $\frac{5}{11}$

7. What fraction of the balls are basketballs?



A $\frac{1}{4}$ **B** $\frac{4}{9}$ **C** $\frac{2}{5}$ **D** $\frac{1}{8}$

8. Nina has 6 bags full of candies. Each bag has 240 candies. She shares 880 with her friends. How many candies does Nina have left?

A 1440 candies **B** 560 candies **C** 550 candies **D** 450 candies

9. Lisa has 65 lemons. She uses $\frac{1}{5}$ of the lemons to make lemonade. How many lemons has she used?

A 325 lemons **B** 60 lemons **C** 13 lemons **D** 70 lemons

10. Tom divides a number by 5. The quotient is 1124 and the remainder is 3. What is the number?

A 5123 **B** 1139 **C** 5620 **D** 5623

11. Write the missing numbers.

(a) ☐ × 2 = 842

(b) ☐ ÷ 5 = 170

(c) 728 ÷ 3 = ☐

(d) 550 − 241 = ☐ ÷ 4

12. Complete these calculations.

(a) 87 × 1000 = 100 × ☐

(b) ☐ ÷ 1000 = 87

(c) 10 × 87 = ☐ ÷ 10

13. Tick (✓) the fractions that represent the shaded part.

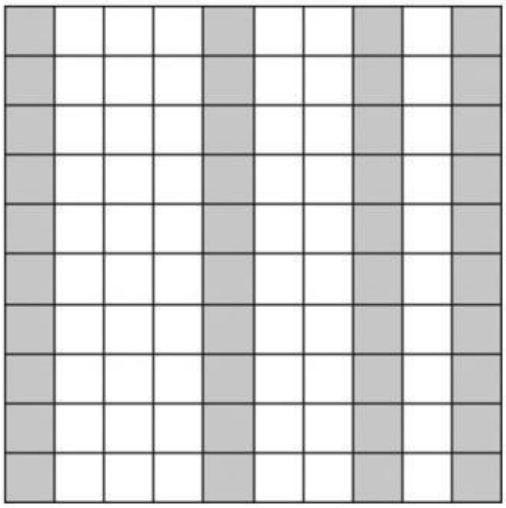
$\frac{1}{4}$ ☐

$\frac{2}{5}$ ☐

$\frac{4}{10}$ ☐

$\frac{6}{10}$ ☐

$\frac{40}{100}$ ☐



14. Find the missing numerator or denominator.

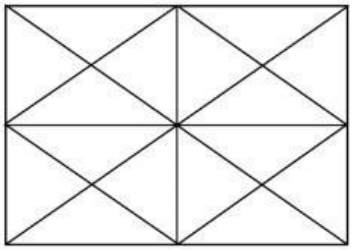
(a) $\frac{4}{5} = \frac{\square}{25}$

(b) $\frac{1}{6} = \frac{4}{\square}$

(c) $\frac{\square}{5} = \frac{9}{15} = \frac{18}{\square}$

(d) $\frac{4}{\square} = \frac{12}{21} = \frac{\square}{63}$

15. Shade the parts to show a fraction equivalent to $\frac{3}{4}$. Then write the fraction.



16. 1245 dishes are divided into boxes. Each box has 8 dishes. How many boxes are needed?

boxes

17. A pizza is cut into 8 equal pieces. Ben eats 6 pieces.

What fractions of the pizza is left?

Write your answer in simplest form.

18. Linda swam around a pool in the shape of a rectangle.

The pool is 130cm wide and 245cm long.

She swam 150cm more after finishing one full round of the pool.

How far did she swim?

19. A panda can eat 6kg of bamboo in a day.

How many kilograms of bamboo does the panda eat in a week?

kg

20. Solve the problem. Show your working.

There are 56 hens and roosters in a coop. $\frac{5}{7}$ of them are hens.

How many roosters are there in the coop?

Answer: There are _____ roosters in the coop.