

Year 7 Fractions – Post Test

INSTRUCTIONS

Place your answers on the scan cards provided.
Completely shade in the bubble for the answer of your choice.

No Calculator allowed.

If you need to change an answer, put an X through the incorrect bubble and shade in another answer.

Q1. The Highest Common Factor of 24 and 16 is:

2
A

4
B

6
C

8
D

Q2. The Lowest Common Multiple of 10 and 12 is:

5
A

6
B

60
C

120
D

Q3. Which of the following fractions is equivalent to $\frac{1}{3}$?

$\frac{2}{3}$
A

$\frac{6}{3}$
B

$\frac{2}{6}$
C

$\frac{3}{1}$
D

Q4. Which two fractions are equivalent?

$\frac{5}{2}$ and $\frac{2}{5}$
A

$\frac{4}{3}$ and $\frac{8}{6}$
B

$\frac{1}{4}$ and $\frac{2}{4}$
C

$\frac{2}{3}$ and $\frac{1}{3}$
D

Q5. The fraction $\frac{12}{24}$ expressed in its simplest terms is:

$\frac{4}{8}$
A

$\frac{2}{4}$
B

$\frac{1}{2}$
C

$\frac{3}{6}$
D

Q6. Which of the following fractions can be simplified to $\frac{3}{5}$?

$\frac{15}{5}$
A

$\frac{3}{8}$
B

$\frac{3}{15}$
C

$\frac{21}{35}$
D

Q7. Which of the following decimals has a value closest to 1?

0.50

A

0.98

B

0.9

C

1.90

D

Q8. Which set of fractions are written in order from smallest to largest?

$\left(\frac{1}{10}, \frac{1}{5}, \frac{1}{3}\right)$

A

$\left(\frac{1}{3}, \frac{2}{6}, \frac{3}{9}\right)$

B

$\left(\frac{1}{2}, \frac{1}{4}, \frac{1}{6}\right)$

C

$\left(\frac{3}{12}, \frac{2}{8}, \frac{1}{4}\right)$

D

Q9. What is $\frac{3}{8} + \frac{2}{8}$?

$\frac{3}{10}$

A

$\frac{1}{8}$

B

$\frac{5}{16}$

C

$\frac{5}{8}$

D

Q10. Calculate $\frac{4}{5} - \frac{2}{5} =$

$\frac{6}{5}$

A

$\frac{2}{5}$

B

$\frac{3}{5}$

C

$\frac{8}{5}$

D

Q11. The number 2.3712 rounded to one decimal place is

2.3

A

2.37

B

2.4

C

2

D

Q12. What is the most likely estimate of the fraction represented on the number line?

?



0 0.25 0.5 0.75 1

$\frac{1}{10}$

A

$\frac{1}{2}$

B

$\frac{1}{4}$

C

$\frac{1}{3}$

D

Q13. Saxon had eaten $\frac{4}{9}$ of his birthday cake and Chelsea had eaten $\frac{2}{9}$. How much cake had they eaten in total?

$\frac{6}{18}$

A

$\frac{4}{9}$

B

$\frac{4}{18}$

C

$\frac{6}{9}$

D

Q14. Ollie had spent $\frac{3}{8}$ of his tax return on dog snacks and $\frac{2}{8}$ on dog toys. How much of his tax return did he had left?

$$\frac{5}{8}$$

A

$$\frac{1}{8}$$

B

$$\frac{3}{8}$$

C

$$\frac{2}{8}$$

D

Q15. Jamal used $\frac{1}{3}$ of a meter of ribbon to tie a present and $\frac{1}{6}$ of a meter of ribbon to tie a bow. How many meters of ribbon did Jamal use?

$$\frac{2}{3}$$

A

$$\frac{3}{6}$$

B

$$\frac{2}{9}$$

C

$$\frac{1}{3}$$

D

Q16. Mr. Penman had $\frac{2}{3}$ of a liter of salt water. He used $\frac{1}{5}$ of a liter for an experiment. How much salt water does Mr. Penman have left?

$$\frac{7}{15}$$

A

$$\frac{3}{8}$$

B

$$\frac{3}{15}$$

C

$$\frac{1}{2}$$

D

Q17. Aaron sleeps for $\frac{2}{6}$ of every 24 hours. How many hours is he awake for?

$$8$$

A

$$16$$

B

$$12$$

C

$$4$$

D

Q18. There are 66 people on a bus. $\frac{3}{6}$ are children. How many adults are there?

$$10$$

A

$$22$$

B

$$33$$

C

$$44$$

D

Q19. Mr Finnigan has 12 Mr Sketch markers. Mrs Salvadori has 8 Mr Sketch markers. What fraction of Mr Finnigan's markers does Mrs Salvadori have?

$$\frac{8}{12}$$

A

$$\frac{2}{3}$$

B

$$\frac{8}{20}$$

C

$$\frac{12}{8}$$

D

Q20. Salman needs 180 centimetres of rope for a project. He only has 150 centimetres. Express the quantity of rope he has as a fraction of the amount of rope he needs:

$$\frac{150}{180}$$

A

$$\frac{180}{150}$$

B

$$\frac{15}{18}$$

C

$$\frac{5}{6}$$

D

Q21. Find $\frac{5}{6}$ of $\frac{1}{4}$:

$$\frac{6}{10}$$

A

$$\frac{5}{24}$$

B

$$\frac{5}{10}$$

C

$$\frac{6}{24}$$

D

Q22. The product of 0.04 and 3.6 is:

$$0.144$$

A

$$3.56$$

B

$$3.64$$

C

$$1.44$$

D

Q23. Calculate $\frac{4}{9} \div \frac{2}{3}$

$$\frac{8}{27}$$

A

$$\frac{18}{12}$$

B

$$\frac{12}{18}$$

C

$$\frac{6}{12}$$

D

Q24. Evaluate $5.2 \div 0.05$

$$0.26$$

A

$$5.15$$

B

$$5.25$$

C

$$104$$

D

Q25. The fraction $\frac{1}{12}$, which ends in a repeated pattern (0.08333333333333 ...) as a decimal is most accurately represented as

$$0.083$$

A

$$0.08\dot{3}$$

B

$$0.\overline{083}$$

C

$$0.\overrightarrow{083}$$

D

****END OF KNOWLEDGE INDICATOR****
