

Worksheet 2 – Fractions

Session 2

Total: 63 marks

1. Which of the following fractions is in its simplest form? [1]

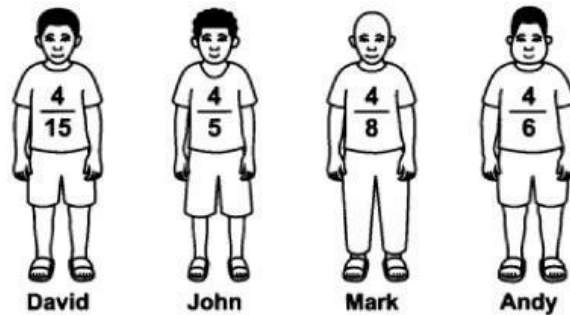
(a) $\frac{13}{19}$

(b) $\frac{9}{21}$

(c) $\frac{18}{38}$

(d) $\frac{6}{8}$

2. **Question 2** refers to the following diagram which shows 4 boys with fraction written on their shirts. Each boy had the same number of marbles. The fraction written on their shirts represent the fraction of marbles they lost. [1]



Which of the list below arranges the boys by the number of marbles they lost from **least to greatest**?

- (a) David, Mark, Andy, John
(b) John, Andy, Mark, David
(c) Andy, John, David, Mark
(d) David, John, Mark, Andy

3. Identify the fraction represented by point 'A' on the number line. [1]

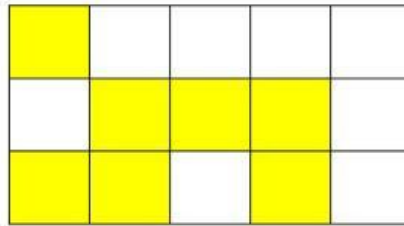


- (a) $\frac{3}{4}$
(b) $\frac{4}{5}$
(c) $\frac{5}{4}$
(d) $\frac{3}{3}$
4. Add the following fractions $\frac{7}{10} + \frac{9}{20}$ [1]

- (a) $\frac{23}{30}$
(b) $\frac{16}{30}$
(c) $\frac{23}{20}$
(d) $\frac{32}{20}$
5. The decimal 3.12 can be represented by the fraction [1]

- (a) $\frac{312}{1000}$
(b) $3\frac{12}{10}$
(c) $\frac{312}{10}$
(d) $3\frac{12}{100}$

6. The rectangle below is divided into 15 equal squares. What fraction of the rectangle is shaded? [1]



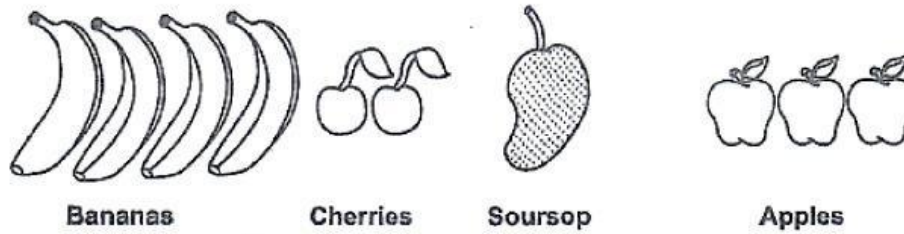
- (a) $\frac{7}{15}$
 (b) $\frac{8}{15}$
 (c) $\frac{7}{8}$
7. The fractions $\frac{2}{5}, \frac{2}{3}, \frac{2}{15}$ arranged in order from **smallest** to **largest** are [1]
- (a) $\frac{2}{5}, \frac{2}{3}, \frac{2}{15}$
 (b) $\frac{2}{15}, \frac{2}{3}, \frac{2}{5}$
 (c) $\frac{2}{15}, \frac{2}{5}, \frac{2}{3}$
8. Which of the fractions below is the smallest? [1]

- (a) $\frac{2}{3}$
 (b) $\frac{7}{12}$
 (c) $\frac{5}{6}$

9. **Question 9** refers to the diagram below which shows 10 fruits.

What fraction of the fruits is cherries?

[1]



- (a) $\frac{1}{2}$
- (b) $\frac{1}{4}$
- (c) $\frac{1}{5}$
10. Mrs. Ali uses $2\frac{1}{2}$ yards of fabric to make a tablecloth.

How many yards of fabric does she need to make 8 tablecloths?

[1]

- (a) 12
- (b) 16
- (c) 20

11. Arrange the fractions below in ASCENDING order.

[1]

$$\frac{7}{12}, \frac{1}{4}, \frac{5}{6}, \frac{2}{3}$$

Answer _____

12. $4 - \frac{5}{9} =$

[1]

Answer _____

13. $\frac{2}{6} + \frac{3}{6} =$

[1]

Answer _____

14. $\frac{3}{4} - \frac{2}{5} =$

[1]

Answer _____

15. Multiply $3\frac{2}{3}$ by $1\frac{1}{2}$.

[1]

Answer _____

16. $\frac{3}{5} = \frac{9}{?}$

[1]

Answer _____

17. Write $2\frac{1}{6}$ as an improper fraction.

[1]

Answer _____

18. Write $\frac{39}{4}$ as a mixed number.

[1]

Answer _____

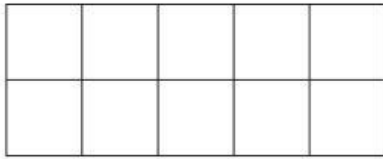
19. Express 25% as a fraction in its LOWEST terms.

[1]

Answer _____

20. Shade $\frac{2}{5}$ of the shape below:

[1]



21. The length of a water pipe is 7m. How many $\frac{1}{4}$ m lengths can Jane cut from the pipe?

[1]

Answer _____

22. Arrange the quantities $\frac{3}{10}$, 2 and $\frac{4}{5}$ from greatest to smallest.

[1]

Answer _____

23. Write the correct value in the box to complete the number sentence. [2]

$$2 + \frac{3}{5} = 7 - \boxed{}$$

Answer _____

24. Solve the following. [2]

$$\left(2\frac{1}{2} \times \frac{4}{5}\right) \div \frac{5}{8}$$

Answer _____

25. $5\frac{1}{3} - 2\frac{7}{12} =$ [2]

Answer _____