Worksheet 2 – Fractions

1. Which of the following fractions is in its simplest form?   [1]
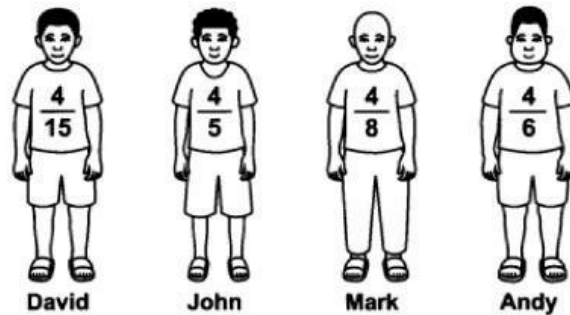
   (a) $\frac{13}{19}$

   (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]

David   John   Mark   Andy

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

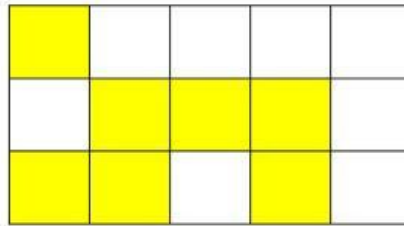3. Identify the fraction represented by point 'A' on the number line. [1]

(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]

   Bananas   **Cherries**   **Soursop**   **Apples**
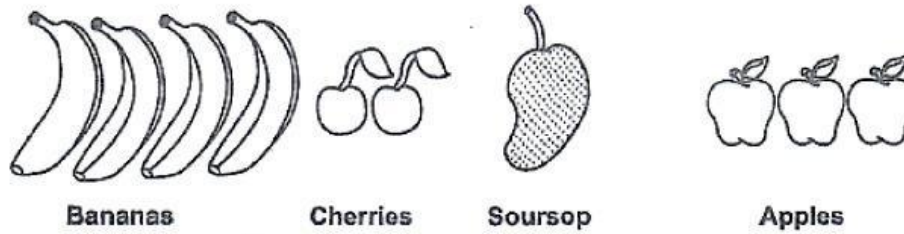
   (a) $\frac{1}{2}$

   (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 _____

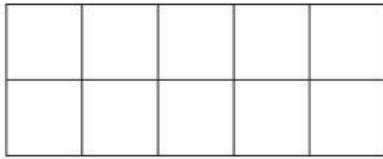19. Express 25% as a fraction in its LOWEST terms. [1]

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]

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

Answer _____

24. Solve the following.   [2]

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

Answer _____

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

Answer _____