MeerkatSkool

FREE PRACTICE SHEET

Extra Maths Class

Free Extra Maths Class · Grade 5

Fractions

Name: _____

Remember: Equivalent fractions are the same size: multiply or divide the numerator and the denominator by the same number. **Why?** You only cut every piece into smaller pieces; the amount stays the same. We only add fractions with the same denominator, because then the pieces are the same size.

1 What fraction of strip A is shaded?

A 

2 What fraction of strip B is shaded?

B 

3 Are the shaded parts of A and B the same size? Write yes or no.

4 Complete: $\frac{1}{2} = \frac{\quad}{6}$

5 Complete: $\frac{2}{3} = \frac{\quad}{12}$

6 Complete: $\frac{12}{16} = \frac{\quad}{4}$

7 Write $\frac{17}{5}$ as a mixed number.

8 Write $2\frac{3}{4}$ as an improper fraction.

9 Write <, > or =: $\frac{3}{4}$ ___ $\frac{5}{8}$

10 Calculate: $\frac{2}{7} + \frac{3}{7}$

11 Calculate: $\frac{2}{3}$ of 24

12 Calculate: $\frac{5}{8}$ of 40

13 Calculate: $1\frac{3}{5} + \frac{4}{5}$

14 Calculate: $2\frac{1}{6} - \frac{5}{6}$

15 There are 32 learners in a class. $\frac{3}{8}$ of them walk to school. How many learners do **not** walk to school?

I got ___ out of 15 ★ ★ ★

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Free Extra Maths Class · Grade 5 · Memorandum

Memorandum: Fractions

1. $\frac{3}{4}$
   3 of the 4 equal parts are shaded

2. $\frac{6}{8}$
   6 of the 8 equal parts are shaded

3. **Yes**
   $\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$

4. $\frac{3}{6}$
   2 × 3 = 6, so 1 × 3 = 3

5. $\frac{8}{12}$
   3 × 4 = 12, so 2 × 4 = 8

6. $\frac{3}{4}$
   16 ÷ 4 = 4, so 12 ÷ 4 = 3

7. $3\frac{2}{5}$
   17 ÷ 5 = 3 remainder 2

8. $\frac{11}{4}$
   2 × 4 + 3 = 11

9. $\frac{3}{4} > \frac{5}{8}$
   $\frac{3}{4} = \frac{6}{8}$, and $\frac{6}{8} > \frac{5}{8}$

10. $\frac{5}{7}$
    Add only the numerators: 2 + 3 = 5; the denominator stays 7

11. **16**
    24 ÷ 3 = 8; 8 × 2 = 16

12. **25**
    40 ÷ 8 = 5; 5 × 5 = 25

13. $2\frac{2}{5}$
    $1\frac{3}{5} = \frac{8}{5}$; $\frac{8}{5} + \frac{4}{5} = \frac{12}{5} = 2\frac{2}{5}$

14. $1\frac{2}{6}$ **(=** $1\frac{1}{3}$**)**
    $2\frac{1}{6} = \frac{13}{6}$; $\frac{13}{6} - \frac{5}{6} = \frac{8}{6} = 1\frac{2}{6}$

15. **20 learners**
    32 ÷ 8 = 4; 4 × 3 = 12; 32 − 12 = 20