

Maths for Monday

Hi guys, this week we are going to recap our fraction work. Today I would like you to revise adding and subtracting fractions. If you need a reminder below are some videos you could watch.

<https://www.bbc.co.uk/bitesize/topics/zhdwxnb/articles/z9n4k7h>

$$1) \quad \frac{2}{9} + \frac{2}{18} =$$

$$2) \quad \frac{2}{3} + \frac{2}{8} =$$

$$3) \quad \frac{7}{8} + \frac{3}{16} =$$

$$4) \quad \frac{7}{13} + \frac{12}{26} =$$

$$5) \quad \frac{1}{22} + \frac{5}{11} =$$

$$6) \quad \frac{3}{10} + \frac{4}{15} =$$

$$7) \quad \frac{4}{6} + \frac{1}{4} =$$

$$1) \quad \frac{1}{2} - \frac{1}{3} =$$

$$2) \quad \frac{2}{5} - \frac{1}{4} =$$

$$3) \quad \frac{1}{5} - \frac{2}{10} =$$

$$4) \quad \frac{3}{5} - \frac{2}{4} =$$

$$5) \quad \frac{2}{3} - \frac{2}{5} =$$

$$6) \quad \frac{2}{4} - \frac{1}{3} =$$

$$7) \quad \frac{2}{5} - \frac{1}{4} =$$

Answers for Monday.

$$1) \quad \frac{2}{9} + \frac{2}{18} = \frac{4}{18} + \frac{2}{18} = \frac{6}{18} = \frac{1}{3}$$

$$2) \quad \frac{2}{3} + \frac{2}{8} = \frac{16}{24} + \frac{6}{24} = \frac{22}{24} = \frac{11}{12}$$

$$3) \quad \frac{7}{8} + \frac{3}{16} = \frac{14}{16} + \frac{3}{16} = \frac{17}{16} = 1\frac{1}{16}$$

$$4) \quad \frac{7}{13} + \frac{12}{26} = \frac{14}{26} + \frac{12}{26} = \frac{26}{26} = 1$$

$$5) \quad \frac{1}{22} + \frac{5}{11} = \frac{1}{22} + \frac{10}{22} = \frac{11}{22} = \frac{1}{2}$$

$$6) \quad \frac{3}{10} + \frac{4}{15} = \frac{9}{30} + \frac{8}{30} = \frac{17}{30}$$

$$7) \quad \frac{4}{6} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$$

$$1) \quad \frac{1}{2} - \frac{1}{3} = \frac{3}{6} - \frac{2}{6} = \frac{1}{6}$$

$$2) \quad \frac{2}{5} - \frac{1}{4} = \frac{8}{20} - \frac{5}{20} = \frac{3}{20}$$

$$3) \quad \frac{1}{5} - \frac{2}{10} = \frac{2}{10} - \frac{2}{10} = 0$$

$$4) \quad \frac{3}{5} - \frac{2}{4} = \frac{12}{20} - \frac{10}{20} = \frac{2}{20}$$

$$5) \quad \frac{2}{3} - \frac{2}{5} = \frac{10}{15} - \frac{6}{15} = \frac{4}{15}$$

$$6) \quad \frac{2}{4} - \frac{1}{3} = \frac{6}{12} - \frac{4}{12} = \frac{2}{12}$$

$$7) \quad \frac{2}{5} - \frac{1}{4} = \frac{8}{20} - \frac{5}{20} = \frac{3}{20}$$

Maths for Tuesday.

Today are the fraction questions that we all love. Remember multiplying fractions is easy – you multiply the top and then multiply the bottom.

On the second section a top tip!

Remember that you have to make the whole numbers fractions so 3 would become $\frac{3}{1}$

Here is a link if you are unsure.

<https://www.bbc.co.uk/bitesize/topics/zhdwxnb/articles/z8fyv4j>

$$1) \quad \frac{2}{4} \times \frac{1}{2} =$$

$$2) \quad \frac{1}{5} \times \frac{1}{4} =$$

$$3) \quad \frac{5}{10} \times \frac{1}{5} =$$

$$4) \quad \frac{1}{4} \times \frac{2}{3} =$$

$$5) \quad \frac{1}{4} \times \frac{1}{2} =$$

$$6) \quad \frac{1}{4} \times \frac{1}{2} =$$

$$7) \quad \frac{2}{4} \times \frac{3}{5} =$$

$$8) \quad \frac{2}{3} \times \frac{2}{4} =$$

$$1) \quad \frac{4}{5} \times 6 =$$

$$2) \quad \frac{2}{5} \times 6 =$$

$$3) \quad \frac{1}{2} \times 3 =$$

$$4) \quad \frac{3}{10} \times 4 =$$

$$5) \quad \frac{3}{10} \times 9 =$$

$$6) \quad \frac{3}{4} \times 5 =$$

$$7) \quad \frac{3}{5} \times 5 =$$

$$8) \quad \frac{9}{10} \times 2 =$$

Answers for Tuesday

$$1) \quad \frac{2}{4} \times \frac{1}{2} = \frac{2 \times 1}{4 \times 2} = \frac{2}{8}$$

$$2) \quad \frac{1}{5} \times \frac{1}{4} = \frac{1 \times 1}{5 \times 4} = \frac{1}{20}$$

$$3) \quad \frac{5}{10} \times \frac{1}{5} = \frac{5 \times 1}{10 \times 5} = \frac{5}{50}$$

$$4) \quad \frac{1}{4} \times \frac{2}{3} = \frac{1 \times 2}{4 \times 3} = \frac{2}{12}$$

$$5) \quad \frac{1}{4} \times \frac{1}{2} = \frac{1 \times 1}{4 \times 2} = \frac{1}{8}$$

$$6) \quad \frac{1}{4} \times \frac{1}{2} = \frac{1 \times 1}{4 \times 2} = \frac{1}{8}$$

$$7) \quad \frac{2}{4} \times \frac{3}{5} = \frac{2 \times 3}{4 \times 5} = \frac{6}{20}$$

$$8) \quad \frac{2}{3} \times \frac{2}{4} = \frac{2 \times 2}{3 \times 4} = \frac{4}{12}$$

$$1) \quad \frac{4}{5} \times 6 = \frac{4 \times 6}{5 \times 1} = \frac{24}{5} = 4\frac{4}{5}$$

$$2) \quad \frac{2}{5} \times 6 = \frac{2 \times 6}{5 \times 1} = \frac{12}{5} = 2\frac{2}{5}$$

$$3) \quad \frac{1}{2} \times 3 = \frac{1 \times 3}{2 \times 1} = \frac{3}{2} = 1\frac{1}{2}$$

$$4) \quad \frac{3}{10} \times 4 = \frac{3 \times 4}{10 \times 1} = \frac{12}{10} = \frac{6}{5} = 1\frac{1}{5}$$

$$5) \quad \frac{3}{10} \times 9 = \frac{3 \times 9}{10 \times 1} = \frac{27}{10} = 2\frac{7}{10}$$

$$6) \quad \frac{3}{4} \times 5 = \frac{3 \times 5}{4 \times 1} = \frac{15}{4} = 3\frac{3}{4}$$

$$7) \quad \frac{3}{5} \times 5 = \frac{3 \times 5}{5 \times 1} = \frac{15}{5} = \frac{3}{1} = 3$$

$$8) \quad \frac{9}{10} \times 2 = \frac{9 \times 2}{10 \times 1} = \frac{18}{10} = \frac{9}{5} = 1\frac{4}{5}$$

Maths for
Wednesday.

More fraction fun today with dividing fractions. This is linked to yesterdays maths but remember the 3 rules.

1. Make them both fractions
2. Swap the action to x
3. And switch the second fraction.

Below is a clip if you need more help

<https://www.bbc.co.uk/programmes/p00rjijt7>

$$1) \quad \frac{1}{2} \div \frac{3}{6} =$$

$$2) \quad \frac{2}{3} \div \frac{9}{10} =$$

$$3) \quad \frac{1}{2} \div \frac{1}{6} =$$

$$4) \quad \frac{1}{10} \div \frac{2}{4} =$$

$$5) \quad \frac{5}{9} \div \frac{2}{5} =$$

$$6) \quad \frac{4}{8} \div \frac{3}{4} =$$

$$7) \quad \frac{2}{3} \div \frac{1}{8} =$$

$$8) \quad \frac{3}{9} \div \frac{1}{3} =$$

$$1) \quad \frac{3}{5} \div 9 =$$

$$2) \quad 7 \div \frac{4}{5} =$$

$$3) \quad 4 \div \frac{2}{10} =$$

$$4) \quad \frac{7}{10} \div 9 =$$

$$5) \quad \frac{1}{2} \div 8 =$$

$$6) \quad \frac{9}{10} \div 7 =$$

$$7) \quad \frac{1}{4} \div 5 =$$

$$8) \quad 3 \div \frac{3}{4} =$$

Answers for Wednesday

$$1) \frac{1}{2} \div \frac{3}{6} = \frac{1 \times 6}{2 \times 3} = \frac{6}{6} = 1$$

$$2) \frac{2}{3} \div \frac{9}{10} = \frac{2 \times 10}{3 \times 9} = \frac{20}{27}$$

$$3) \frac{1}{2} \div \frac{1}{6} = \frac{1 \times 6}{2 \times 1} = \frac{6}{2} = \frac{3}{1} = 3\frac{0}{1}$$

$$4) \frac{1}{10} \div \frac{2}{4} = \frac{1 \times 4}{10 \times 2} = \frac{4}{20} = \frac{1}{5}$$

$$5) \frac{5}{9} \div \frac{2}{5} = \frac{5 \times 5}{9 \times 2} = \frac{25}{18} = 1\frac{7}{18}$$

$$6) \frac{4}{8} \div \frac{3}{4} = \frac{4 \times 4}{8 \times 3} = \frac{16}{24} = \frac{2}{3}$$

$$7) \frac{2}{3} \div \frac{1}{8} = \frac{2 \times 8}{3 \times 1} = \frac{16}{3} = 5\frac{1}{3}$$

$$8) \frac{3}{9} \div \frac{1}{3} = \frac{3 \times 3}{9 \times 1} = \frac{9}{9} = 1$$

$$1) \frac{3}{5} \div 9 = \frac{3 \times 1}{5 \times 9} = \frac{3}{45} = \frac{1}{15}$$

$$2) 7 \div \frac{4}{5} = \frac{7 \times 5}{1 \times 4} = \frac{35}{4} = 8\frac{3}{4}$$

$$3) 4 \div \frac{2}{10} = \frac{4 \times 10}{1 \times 2} = \frac{40}{2} = \frac{20}{1} = 20$$

$$4) \frac{7}{10} \div 9 = \frac{7 \times 1}{10 \times 9} = \frac{7}{90}$$

$$5) \frac{1}{2} \div 8 = \frac{1 \times 1}{2 \times 8} = \frac{1}{16}$$

$$6) \frac{9}{10} \div 7 = \frac{9 \times 1}{10 \times 7} = \frac{9}{70}$$

$$7) \frac{1}{4} \div 5 = \frac{1 \times 1}{4 \times 5} = \frac{1}{20}$$

$$8) 3 \div \frac{3}{4} = \frac{3 \times 4}{1 \times 3} = \frac{12}{3} = \frac{4}{1} = 4$$

Maths for Thursday.

Something a little different today. I have put a fraction inside each thought bubble. I would like you to write at least 10 facts for each bubble showing equivalent fraction, decimal and percentage facts.

e.g. $\frac{1}{2} = 0.5$

$\frac{1}{2} = 50\%$

0.5

$\frac{1}{2}$

50%

It's impossible to give an answer page for this as there is so many possible answers so send it into the year 6 email account.

year6@ashcombeprimary.co.uk

$\frac{1}{4}$

$\frac{3}{4}$

Maths for Friday

Just a reminder of converting improper fractions into mixed numbers and vice versa.

Below is a clip if you are unsure.

<https://www.bbc.co.uk/bitesize/articles/z4ypscw>

Converting Improper Fractions to Mixed Numbers

1) $\frac{7}{2} = \underline{\quad}$ 2) $\frac{46}{11} = \underline{\quad}$ 3) $\frac{57}{10} = \underline{\quad}$

4) $\frac{25}{4} = \underline{\quad}$ 5) $\frac{10}{3} = \underline{\quad}$ 6) $\frac{75}{10} = \underline{\quad}$

7) $\frac{24}{5} = \underline{\quad}$ 8) $\frac{23}{7} = \underline{\quad}$ 9) $\frac{65}{9} = \underline{\quad}$

10) $\frac{23}{4} = \underline{\quad}$ 11) $\frac{43}{10} = \underline{\quad}$ 12) $\frac{57}{9} = \underline{\quad}$

13) $\frac{25}{8} = \underline{\quad}$ 14) $\frac{32}{7} = \underline{\quad}$ 15) $\frac{36}{8} = \underline{\quad}$

Converting Mixed Numbers to Improper Fractions

1) $6\frac{1}{3} = \underline{\quad}$ 2) $8\frac{1}{2} = \underline{\quad}$ 3) $8\frac{4}{9} = \underline{\quad}$

4) $9\frac{2}{5} = \underline{\quad}$ 5) $4\frac{1}{6} = \underline{\quad}$ 6) $7\frac{4}{5} = \underline{\quad}$

7) $5\frac{1}{2} = \underline{\quad}$ 8) $9\frac{2}{7} = \underline{\quad}$ 9) $2\frac{1}{6} = \underline{\quad}$

10) $3\frac{7}{8} = \underline{\quad}$ 11) $4\frac{1}{11} = \underline{\quad}$ 12) $7\frac{1}{3} = \underline{\quad}$

13) $3\frac{5}{12} = \underline{\quad}$ 14) $7\frac{1}{3} = \underline{\quad}$ 15) $8\frac{11}{12} = \underline{\quad}$

Answers for Friday

Converting Improper Fractions to Mixed Numbers

$$\begin{array}{lll} 1) \quad \frac{7}{2} = \underline{3\frac{1}{2}} & 2) \quad \frac{46}{11} = \underline{4\frac{2}{11}} & 3) \quad \frac{57}{10} = \underline{5\frac{7}{10}} \\ 4) \quad \frac{25}{4} = \underline{6\frac{1}{4}} & 5) \quad \frac{10}{3} = \underline{3\frac{1}{3}} & 6) \quad \frac{75}{10} = \underline{7\frac{1}{2}} \\ 7) \quad \frac{24}{5} = \underline{4\frac{4}{5}} & 8) \quad \frac{23}{7} = \underline{3\frac{2}{7}} & 9) \quad \frac{65}{9} = \underline{7\frac{2}{9}} \\ 10) \quad \frac{23}{4} = \underline{5\frac{3}{4}} & 11) \quad \frac{43}{10} = \underline{4\frac{3}{10}} & 12) \quad \frac{57}{9} = \underline{6\frac{1}{3}} \\ 13) \quad \frac{25}{8} = \underline{3\frac{1}{8}} & 14) \quad \frac{32}{7} = \underline{4\frac{4}{7}} & 15) \quad \frac{36}{8} = \underline{4\frac{1}{2}} \end{array}$$

Converting Mixed Numbers to Improper Fractions

$$\begin{array}{lll} 1) \quad 6\frac{1}{3} = \underline{\frac{19}{3}} & 2) \quad 8\frac{1}{2} = \underline{\frac{17}{2}} & 3) \quad 8\frac{4}{9} = \underline{\frac{76}{9}} \\ 4) \quad 9\frac{2}{5} = \underline{\frac{47}{5}} & 5) \quad 4\frac{1}{6} = \underline{\frac{25}{6}} & 6) \quad 7\frac{4}{5} = \underline{\frac{39}{5}} \\ 7) \quad 5\frac{1}{2} = \underline{\frac{11}{2}} & 8) \quad 9\frac{2}{7} = \underline{\frac{65}{7}} & 9) \quad 2\frac{1}{6} = \underline{\frac{13}{6}} \\ 10) \quad 3\frac{7}{8} = \underline{\frac{31}{8}} & 11) \quad 4\frac{1}{11} = \underline{\frac{45}{11}} & 12) \quad 7\frac{1}{3} = \underline{\frac{22}{3}} \\ 13) \quad 3\frac{5}{12} = \underline{\frac{41}{12}} & 14) \quad 7\frac{1}{3} = \underline{\frac{22}{3}} & 15) \quad 8\frac{11}{12} = \underline{\frac{107}{12}} \end{array}$$