## Dividing with Decimals - www.m4ths.com - Steve Blades ©

(1) Using any written method, find each of the following. All the answers are integers so there will be no remainder:
(a) $448 \div 8$
(b) $322 \div 7$
(c) $731 \div 17$
(d) $408 \div 12$
(2) Using any written method, find each of the following. These will not be integers. Leave your answers as decimals rather than having a remainder:
(a) $84 \div 8$
(b) $56 \div 5$
(c) $232 \div 6$
(d) $65 \div 6$

## Dividing a Decimal by an Integer

(1) Using any written method, find each of the following. These will not be integers. Leave your answers as decimals rather than having a remainder. Some decimals might be recurring!
(a) $32.8 \div 5$
(b) $48.6 \div 4$
(c) $2.37 \div 6$
(d) $78.5 \div 3$
(e) $0.324 \div 6$
(f) $6.08 \div 7$
(g) $8.09 \div 3$
(h) $2.187 \div 5$
(i) $90.08 \div 4$
(j) $2.198 \div 6$

## Dividing a Number by a Decimal

(1) By writing an equivalent fraction, find each of the following without using a calculator. You don't need to make any 'alterations' at the end of your calculation!
(a) $2 \div 0.5$
(b) $6 \div 0.3$
(c) $12 \div 0.2$
(d) $4 \div 0.1$
(e) $9 \div 0.3$
(f) $5 \div 0.01$
(g) $40 \div 0.02$
(h) $2 \div 0.05$
(i) $12 \div 0.1$
(j) $4 \div 0.08$
(k) $8 \div 0.002$
(I) $60 \div 0.003$
(m) $52 \div 0.1$
(n) $3.06 \div 0.02$
(o) $1 \div 0.005$
(p) $5 \div 0.0004$
(q) $0.3 \div 0.02$
(r) $0.5 \div 0.0002(s)^{*} 0.0001 \div 0.2$
(2) How many 6 mm lengths of string could be cut from 30 cm of string?
(3) How many 5 p’s go into $£ 8$
(4) How many 4 cm pieces of wood could be cut from a 2 m length?
(5)* How many 0.004 's go into 0.5 ?
(6)* How many 0.00002 's go into 0.3 ?
(7)* A rectangle has an area of $6.2 \mathrm{~cm}^{2}$ and one side length of 0.5 cm . What is the other side length?
(8)* A triangle has area $0.04 \mathrm{~cm}^{2}$ and a height of 0.008 cm . How long is the base?
(9)* A square has a perimeter of 0.06 cm . Find the area of the square.
(10)* How many 0's go into 1 ?

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(I) $60 \div 0.003$
(m) $52 \div 0.1$
(n) $3.06 \div 0.02$
(o) $1 \div 0.005$
(p) $5 \div 0.0004$
(q) $0.3 \div 0.02$
(r) $0.5 \div 0.0002$
$(s) * 0.0001 \div 0.2$
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